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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: **Chen W. Liaw et al.**

Serial No.: **Not yet assigned** Group Art Unit: **1646**

Filed: **Concurrently herewith** Examiner: **Prema Maria Mertz**

Title: **NUCLEIC ACID ENCODING HUMAN G PROTEIN-COUPLED RECEPTOR**

EXPRESS MAIL INFORMATION
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INFORMATION DISCLOSURE STATEMENT

S I R :

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the attached PTO/SB/08a, PTO/SB/08b, PTO-1449 and PTO-892 forms submitted herewith.

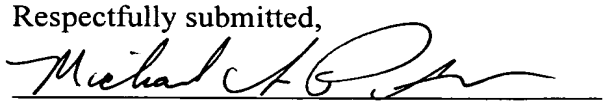
Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

Copies of the references cited on the attached PTO/SB/08a, PTO/SB/08b, PTO-1449 and PTO-892 forms can be found in the parent case, U.S. Serial No. 09/875,076, filed June 6, 2001.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

No first Official Action has yet been received and it is presumed that none has yet been mailed. No fee or certification is required. 37 C.F.R. § 1.97(b).

Respectfully submitted,



Michael A. Patané
Regis. No. 42,982

Enclosures:
24 sheets attached

Dated: 02/19/2004

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

Complete if Known	
Application Number	09/875,076
Filing Date	June 6, 2001
First Named Inventor	C. Liaw et al.
Art Unit	1646
Examiner Name	Prema Maria Mertz
Attorney Docket Number	AREN-11.US9.DIV (0239)

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No.[1]	Document Number Number - Kind Code[2] (*if known*)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,555,344 B1	04/29/2003	Matsumoto et al.	
		US-			
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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		Hirsch et al., "Neuronal Vulnerability in Parkinson's Disease", *J Neural Transm Suppl. 1997;50:79-88*	
		Hufley et al, "Inhibitors of Type IV Phosphodiesterases Reduce the Toxicity of MPTP in Substantia Nigra Neurons *In Vivo*",*European Journal of Neuroscience*, Vol. 7, pp. 2431-2440, 1995	
		Berridge, Michael J., "Inositol trisphosphate and calcium signalling", *Nature*, Vol. 361, 28 January 1993	
		Wilson et al., "Orphan G-Protein-coupled receptors: the next generation of drug targets?", *British Journal of Pharmacology* (1998) 125, 1387-1392	
		Hegyi et al., "The Relationship between Protein Structure and Function: a Comprehensive Survey with Application to the Yeast Genome", *J. Mol. Biol.* (1999) 288, 147-164	
		Kasuya et al., "Three-dimensional Structure Analysis of PROSITE Patterns", *J. Mol. Biol.* (1999) 286, 1673-1691	

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Attorney Docket Number	11.US9.DIV (AREN-0239)

U.S. PATENT DOCUMENTS

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	AA	WO02/064789	08/22/02	Lind et al		
	AB	WO99/55733	11/04/99	Bergsma et al		
	AC	EP 0 913 471	05/06/99	Sathe et al		

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	BA	Standaert and Young, Treatment of Central Nervous System Degenerative Disorders, in Goodman & Gilman's The Pharmaceutical Basis of Therapeutics, Ninth Ed. (Chapter 22) pp. 503-519, 1996	
	BB	Matsumoto, et al., "An Evolutionarily Conserved G-Protein Coupled rceptor Family, SREB, Expressed in the Central Nervous System," Biochem. Biophys. Res. Comm. (2000) 272:576-582	
	BC	Skolnick, et al., "Structural genomics and its importance for gene function analysis," Nature Biotechnol. (2000) 18:283-287	

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Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. **AREN-0239**	Serial No. **09/875,076**
	Applicant **Ruoping Chen, et al.**	
	Filing Date **June 6, 2001**	Group **Not Yet Assigned**

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AA	Alla, S.A. et al., "Extracellular domains of the bradykinin B2 receptor involved in ligand binding and agonist sensing defined by anti-peptide antibodies," *J. Biol. Chem.*, **1996,** *271,* 1748-1755
	AB	Advenier, C. et al., "Effects on the isolated human bronchus of SR 48968, a potent and selective nonpeptide antagonist of the neurokinin A (NK_2) receptors," *Am. Rev. Respir. Dis.*, **1992,** *146(5, Pt. 1),* 1177-1181
	AC	Alexander, W.S. et al., "Point mutations within the dimer interfact homology domain of c-Mpl induce constitutive receptor activity and tumorigenicity," *EMBO J.*, **1995,** *14(22),* 5569-5578
	AD	Arvanitikis, L. et al., "Human herpesvirus KSHV encodes a constitutively active G-protein-coupled receptor linked to cell proliferation," *Nature,* **1997,** *385,* 347-349
	AE	Barker, E.L. et al., "Constitutively active 5-hydroxytryptamine$_{2C}$ receptors reveal novel inverse agonist activity of receptor ligands," *J. Biol. Chem.*, **1994,** *269(16),* 11687-11690
	AF	Baxter, G., "5-HT_2 receptors: a family re-united?" *Trends Pharmacol. Sci.*, **1995,** *16,* 105-110
	AG	Besmer, P. et al., "A new acute transforming feline retrovirus and relationship of its oncogene v-*kit* with the protein kinase gene family," *Nature,* **1986,** *320,* 415
	AH	Blin, N. et al., "Mapping of single amino acid residues required for selective activation of $G_{q/11}$ by the m3 muscarinic acetylcholine receptor," *J. Biol. Chem.*, **1995,** *270,* 17741-17748
	AI	Bond, R.A. et al., "Inverse agonists and G-protein-coupled receptors," in *Receptor-Based Drug Design*, Leff, P. (ed.), New York, M. Dekker, **1998,** 363-377
	AJ	Boone, C. et al., "Mutations that alter the third cytoplasmic loop of the a-factor receptor lead to a constitutive and hypersensitive phenotype," *Proc. Natl. Acad. Sci. USA,* **1993,** *90(21),* 9921-9925

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AK	Burstein, E.S. et al., "Constitutive activation of chimeric m2/m5 muscarinic receptors and delineation of G-protein coupling selectivity domains," *Biochem. Pharmacol.*, **1996,** *51(4),* 539-544
	AL	Burstein, E.S. et al., "Amino acid side chains that define muscarinic receptor/G-protein coupling. Studies of the third intracellular loop," *J. Biol. Chem.*, **1996,** *271(6),* 2882-2885
	AM	Burstein, E.S. et al., "Constitutive activation of muscarinic receptors by the G-protein G_q," *FEBS Lett.*, **1995,** *363(3),* 261-263
	AN	Bylund, D., "International union of pharmacology nomenclature of adrenoceptors," *Pharmacol. Rev.*, **1994,** *46,* 121-136
	AO	Casey, C. et al., "Constitutively active mutant 5-HT_{2A} serotonin receptors: inverse agonist activity of classical 5HT_{2A} antagonists," *Soc. Neurosci.*, **1996,** Abstract #699.10
	AP	Cheatham, B. et al., "Substitution of the *erbB-2* oncoprotein transmembrane domain activates the insulin receptor and modulates the action of insulin-receptor substrate 1," *Proc. Natl. Acad. Sci. USA,* **1993,** *90,* 7336-7340
	AQ	Chen, J. et al., "Tethered Ligand Library for Discovery of Peptide Agonists," *J. Biol. Chem.*, **1995,** *270,* 23398-23401
	AR	Chen, T.S. et al., "Microbial hydroxylation and glucuronidation of the angiotensin II (AII) receptor antagonist MK 954," *J. Antibiot. (Tokyo),* **1993,** *46(1),* 131-134
	AS	Chen, W. et al., "A colorimetric assay for measuring activation of G_s- and G_q-coupled signaling pathways," *Anal. Biochem.*, **1995,** *226(2),* 349-354
	AT	Chidiac, P. et al., "Inverse agonist activity of β-adrenergic antagonists," *J. Pharm. Exp. Ther.*, **1994,** *45,* 490-499
	AU	Clozel, M. et al., " In vivo pharmacology of Ro 46-2005, the first synthetic nonpeptide endothelin receptor antagonist: implications for endothelin physiology," *J. Cardiovas. Pharmacol.*, **1993,** *22(Suppl. 8),* S377-S379

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	AV	Collesi, C. et al., "A splicing variant of the *RON* transcript induces constitutive tyrosine kinase activity and an invasive phenotype," *Mol. Cell. Biol.*, **1996,** *16(2),* 5518-5526
	AW	Cooper, C.S. et al., "Molecular cloning of a new transforming gene from a chemically transformed human cell line," *Nature,* **1984,** *311,* 29-33
	AX	De Dios, I. et al., "Effect of L-364,718 (CCK Receptor Antagonist) on Exocrine Pancreatic Secretion of Hydrocortison-Treated Rats," *Pancreas,* **1994,** *9(2),* 212-218
	AY	Desbios-Mouthon, C. et al., "Deletion of Asn^{281} in the α-subunit of the human insulin receptor causes constitutive activation of the receptor and insulin desensitization," *J. Clin. Endocrinol. Metab.*, **1996,** *81(2),* 719-727
	AZ	Di Renzo, M.F. et al., "Expression of the Met/HGF receptor in normal and neoplastic human tissues," *Oncogene,* **1991,** *6(11),* 1997-2003
	BA	Di Renzo, M.F. et al., "Overexpression of the c-*MET*/HGF receptor gene in human thyroid carcinomas," *Oncogene,* **1992,** *7,* 2549-2553
	BB	Duprez, L. et al., "Germline mutations of the thyrotropin receptor gene cause non-autoimmune autosomal dominant hyperethyroidism," *Nature Genetics,* **1994,** *7,* 396-401
	BC	Eggericksx, D. et al., "Molecular Cloning of an Orphan G-Protein-Coupled Receptor that Constitutively Activates Adenylate Cyclase," *Biochem. J.*, **1995,** *309,* 837-843
	BD	Evans, B.E. et al., "Orally Active, Nonpeptide Oxytocin Antagonists," *J. Med. Chem.*, **1992,** *35,* 3919-3927
	BE	Fu, M. et al., "Functional autoimmune epitope on α_1-adrenergic receptors in patients with malignant hypertension," *Lancet,* **1994,** *344,* 1660-1663
	BF	Furitsu, T. et al., "Identification of Mutations in the Coding Sequence of the Proto-oncogene c-*kit* in a Human Mast Cell Leukemia Cell Line Causing Ligand-independent Activation of c-*kit* Product," *J. Clin. Invest.*, **1993,** *92,* 1736-1744
	BG	Gellai, M. et al., "Nonpeptide Endothelin Receptor Antagonists V: Prevention and Reversal of Acute Renal Failure in the Rat by SB 209670," *J. Pharm. Exp. Therap.*, **1995,** *275(1),* 200-206

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	BH	Gitter, B. et al., "Pharmacological Characterization of LY303870: A Novel Potent and Selective Nonpeptide Substance P (Neurokinin-1) Receptor Antagonist," *J. Pharm. Exp. Therp.*, **1995,** *275(2),* 737-744
	BI	Gouilleux-Gruart, V. et al., "STAT-Related Transcription Factors are Constitutively Activated in Peripheral Blood Cells from Acute Leukemia Patients," *Blood,* **1996,** *87(5),* 1692-1697
	BJ	Hansson, J.H. et al., "Hypertension caused by a truncated epithelial sodium channel γ subunit: genetic heterogeneity of Liddle syndrome," *Nat. Genet.*, **1995,** *11(1),* 76-82
	BK	Hasegawa, H. et al., "Two Isoforms of the Prostaglandin E Receptor EP3 Subtype Different in Agonist-independent Constitutive Activity," *J. Biol. Chem.*, **1996,** *271(4),* 1857-1860
	BL	Hendler, F. et al., "Human Squamous Cell Lung Cancers Express Increased Epidermal Growth Factor Receptors," *J. Clin. Invest.*, **1984,** *74,* 647-651
	BM	Herrick-Davis, K. et al., "Constitutively Active 5HT2C Serotonin Receptor Created by Site-Directed Mutagenesis," *Soc. Neurosci.*, Abstract No. 699.18
	BN	Hieble, J., "International union of pharmacology. X. Recommendation for nomenclature of 1-adrenoceptors," *Pharm. Rev.*, **1995,** *47,* 267-270
	BO	Hill, S., "Distribution, Properties, and Functional Characteristics of Three Classes of Histamine Receptor," *Am. Soc. Pharm. Exp. Therap.*, **1990,** *42(1),* 45-83
	BP	Högger, P. et al., "Activating and Inactivating Mutations in – and C-terminal i3 Loop Junctions of Muscarinic Acetylcholine Hm1 Receptors," *J. Biol. Chem.*, **1995,** *270(13),* 7405-7410
	BQ	Ikeda, H. et al., "Expression and Functional Role of the Proto-oncogene c-*kit* in Acute Myeloblastic Leukemia Cells," *Blood,* **1991,** *78(11),* 2962-2968
	BR	Imura, R. et al., "Inhibition by HS-142-1, a novel nonpeptide atrial natriuretic peptide antagonist of microbial origin, of atrial natriuretic peptide-induced relaxation of isolated rabbit aorta through the blockade of guanylyl cyclase-linked receptors," *Mol. Pharm.*, **1992,** *42,* 982-990

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	BS	Jakubik, J. et al., "Constitutive activity of the M_1-M_4 subtypes of muscarinic receptors in transfected CHO cells and of muscarinic receptors in the heart cells revealed by negative antagonists," *FEBS Letts.*, **1995,** *377,* 275-279
	BT	Kjelsberg, M.A. et al., "Constitutive activation of the α_{1B}-adrenergic receptor by all amino acid substitutions at a single site," *J. Biol. Chem.*, **1992,** *267(3),* 1430-1433
	BU	Knapp, R. et al., "Molecular biology and pharmacology of cloned opioid receptors," *FASEB J.*, **1995,** *9,* 516-525
	BV	Kosugi, S. et al., "Characterization of heterogeneous mutations causing constitutive activation of the luteinizing hormone receptor in familial male precocious puberty," *Human Mol. Genetics,* **1995,** *4(2),* 183-188
	BW	Kosugi, S. et al., "Identification of Thyroid-Stimulating Antibody-Specific Interaction Sites in the N-Terminal Region of the Thyrotropin Receptor," *Mol. Endocrinology,* **1993,** *7,* 114-130
	BX	Kraus, M. et al., "Demonstration of ligand-dependent signaling by the *erbB-3* tyrosine kinase and its constitutive activation in human breast tumor cells," *Proc. Natl. Acad. Sci. USA,* **1993,** *90,* 2900-2904
	BY	Kudlacz, E. et al., "*In Vitro* and *In Vivo* Characterization of MDL 105,212A, a Nonpeptide NK-1/NK-2 Tachykinin Receptor Antagonist," *J. Pharm. Exp. Therap.*, **1996,** *277(2),* 840-851
	BZ	Kuriu, A. et al., "Proliferation of Human Myeloid Leukemia Cell Line Associated with the Tyrosine-Phosphorylation and Activation of the Proto-oncogene c-*kit* Product," *Blood,* **1991,** *78(11),* 2834-2840
	CA	Labbé-Jullié, C. et al., "Effect of the nonpeptide neurotensin antagonist, SR 48692, and two enantiomeric analogs, SR 48527 and SR 49711, on neurotension binding and contractile responses in guinea pig ileum and colon," *J. Pharm. Exp. Therap.*, **1994,** *271(1),* 267-276
	CB	Latronico, A. et al., "A novel mutation of the luteinizing hormone receptor gene causing male gonadotropin-independent precocious puberty," *J. Clin. Endocrinol. Metabl.*, **1995,** *80(8),* 2490-2494

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		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	CC	Laue, L. et al., "Genetic heterogeneity of constitutively activating mutations of the human luteinizing hormone receptor in familial male-limited precocious puberty," *Proc. Natl. Acad. Sci USA,* **1995,** *92,* 1906-1910
	CD	Løvlie, R. et al., "The Ca^{2+}-sensing receptor gene (PCAR1) mutation T151M in isolated autosomal dominant hypoparathyroidism," *Hum. Genet,* **1996,** *98,* 129-133
	CE	Lefkowitz, R. et al., "Constitutive activity of receptors coupled to guanine nucleotide regulatory proteins," *Trends Pharmacol. Sci.,* **1993,** *14,* 300-307
	CF	Libermann, T. et al., "Amplification, enhanced expression and possible rearrangement of EGF receptor gene in primary human brain tumours of glial origin," *Nature,* **1985,** *313,* 144-147
	CG	Liu, C. et al., "Overexpression of c-*met* proto-oncogene but not epidermal growth factor receptor or c-*erb*B-2 in primary human colorectal carcinomas," *Oncogene,* **1992,** *7,* 181-185
	CH	Liu, J. et al., "Molecular mechanisms involved in muscarinic acetylcholine receptor-mediated G protein activation studied by insertion mutagenesis," *J. Biol. Chem.,* **1996,** *271(11),* 6172-6178
	CI	Lonardo, F. et al., "The normal *erb*B-2 product is an atypical receptor-like tyrosine kinase with constitutive activity in the absence of ligand," *New Biologist,* **1990,** *2(11),* 992-1003
	CJ	Maenhaut, C. et al., "RDC8 codes for an adenosine A2 receptor with physiological constitutive activity," *Biochem. Biophys. Res. Comm.,* **1990,** *173(3),* 1169-1178
	CK	Mann, J. et al., "Increased $serotonin_2$ and β-adrenergic receptor binding in the frontal cortices of suicide victims," *Arch. Gen. Psychiatry,* **1986,** *43,* 954-959
	CL	Marone, R.L. et al., "Human CRF receptor chimeras: Mapping of ligand binding determinants," 26th Meeting of the Society of Neuroscience, Washington, D.C. November 16-21, **1996,** Abstract No. 609.8
	CM	Magnusson, Y. et al., "Autoimmunity in idiopathic dilated cardiomyopathy," *Circulation,* **1994,** *89,* 2760-2767

EXAMINER	DATE CONSIDERED

Form PTO-1449 Modified	Docket No. **AREN-0239**	Serial No. **09/875,076**
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)	Applicant **Ruoping Chen, et al.**	
U.S. Department of Commerce Patent and Trademark Office	Filing Date **June 6, 2001**	Group **Not Yet Assigned**

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	CN	Matus-Leibovitch, N. et al., "Truncation of the thyrotropin-releasing hormone receptor carboxyl tail causes constitutive activity and leads to impaired responsiveness in *Xenopus* Oocytes and AtT20 Cells," *J. Biol. Chem.*, **1995,** *270(3),* 1041-1047
	CO	Myles, G.M. et al., "Tyrosine 569 in the c-Fms juxtamembrane domain is essential for kinase activity and macrophage colony-stimulating factor-dependent internalization," *Mol. Cell. Biol.*, **1994,** *14(7),* 4843-4854
	CP	Nanevicz, T. et al., "Thrombin receptor activating mutations," *J. Biol. Chem.*, **1996,** *271(2),* 702-706
	CQ	Natali, P.G. et al., "Expression of the c-Met/HGF receptor in human melanocytic neoplasms: demonstration of the relationship to malignant melanoma tumour progression," *Br. J. Cancer,* **1993,** *68,* 746-750
	CR	Neilson, K.M. et al., "Constitutive activation of fibroblast growth factor receptor-2 by a point mutation associated with Crouzon syndrome," *J. Biol. Chem.*, **1995,** *270(44),* 26037-26040
	CS	Oda, S. et al., "Pharmacological profile of HS-142-1, a novel nonpeptide atrial natriuretic peptide (ANP) antagonist of microbial origin. II. Restoration by HS-142-1 of ANP-induced inhibition of aldosterone production in adrenal glomerulosa cells," *J. Pharm. Exp. Ther.*, **1992,** *263(1),* 241-245
	CT	O'Dowd, B.F. et al., "Site-directed mutagenesis of the cytoplasmic domains of the human β2-adrenergic receptor," *J. Biol. Chem.*, **1988,** *263(31),* 15985-15992
	CU	Offermanns, S. et al., "$G\alpha_{15}$ and $G\alpha_{16}$ Couple a Wide Variety of Receptors to Phospholipase C," *J. Biol. Chem.*, **1995,** *270,* 15175-15180
	CV	Palkowitz, A.D. et al., "Structural evolution and pharmacology of a novel series of triacid angiotensin II receptor antagonists," *J. Med. Chem.*, **1994,** *37,* 4508-4521
	CW	Parent, J. et al., "Mutations of two adjacent amino acids generate inactive and constitutively active forms of the human platelet-activating factor receptor," *J. Biol. Chem.*, **1996,** *271(14),* 7949-7955
	CX	Parfitt, A.M. et al., "Hypercalcemia due to constitutive activity of the parathyroid hormone (PTH)/PTH-related peptide receptor: comparison with primary hyperparathyroidism," *J. Clin. Endocr. Metabl.*, **1996,** *81,* 3584-3588

EXAMINER	**DATE CONSIDERED**

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. **AREN-0239**	Serial No. **09/875,076**
	Applicant **Ruoping Chen, et al.**	
	Filing Date **June 6, 2001**	Group **Not Yet Assigned**

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	CY	Parma, J. et al., "Somatic mutations in the thyrotropin receptor gene cause hyperfunctioning thyroid adenomas," *Nature,* **1993,** *365,* 649-651
	CZ	Pei, G. et al., "A constitutive active mutant β_2-adrenergic receptor is constitutively desensitized and phosphorylated," *Proc. Natl. Acad. Sci. USA,* **1994,** *91,* 2699-2702
	DA	Pendley, C.E. et al., "The gastrin/cholecystokinin-B receptor antagonist L-365,260 reduces basal acid secretion and prevents gastrointestinal damage induced by aspirin, ethanol and cysteamine in the rat," *J. Pharmacol. Exp. Ther.,* **1993,** *265(3),* 1348-1354
	DB	Peroutka, S., "Serotonin receptor subtypes. Their evolution and clinical relevance," *CNS Drugs,* **1995,** *4 (Suppl. 1),* 18-28
	DC	Pettibone, D.J. et al., "Development and pharmacological assessment of novel peptide and nonpeptide oxytocin antagonists," *Regul. Pept.,* **1993,** *45,* 289-293
	DD	Prat, M.P. et al., "The receptor encoded by the human c-*Met* oncogene is expressed in hepatocytes, epithelial cells and solid tumors," *Int. J. Cancer,* **1991,** *49,* 323-328
	DE	Prezeua, L. et al., "Changes in the carboxy-terminal domain of metabotropic glutamate receptor 1 by alternate splicing generate receptors with differing agonist-independent activity," *Mol. Pharmacol.,* **1996,** *49,* 422-429
	DF	Rakovska, A. et al., "Effect of loxiglumide (CR 1505) on CCK-induced contractions and ^{3}H-acetylcholine release from guinea-pig gallbaldder," *Neuropeptides,* **1993,** *25(5),* 271-276
	DG	Ren, Q. et al., "Constitutive active mutants of the α_2-adrenergic receptor," *J. Biol. Chem.,* **1993,** *268,* 16483-16487
	DH	Reynolds, E.E. et al., "Pharmacological characterization of PD 156707, an orally active ET_A receptor antagonist," *J. Pharmacol. Exp. Ther.,* **1995,** *273(3),* 1410-1417
	DI	Robbins, L.S. et al., "Pigmentation phenotypes of variant extension locus alleles result from point mutations that alter MSH receptor function," *Cell,* **1993,** *72,* 827-834
	DJ	Rong, S. et al., "Met expression and sarcoma tumorigenicity," *Cancer,* **1993,** *53(22),* 5355-5360

EXAMINER	**DATE CONSIDERED**

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. **AREN-0239**	Serial No. **09/875,076**
	Applicant **Ruoping Chen, et al.**	
	Filing Date **June 6, 2001**	Group **Not Yet Assigned**

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	DK	Samama, P. et al., "A mutation-induced activation state of the β2-adrenergic receptor," *J. Biol. Chem.*, **1993,** *268(7),* 4625-4636
	DL	Sautel, M. et al., "Neuropeptide Y and the nonpeptide antagonist BIBP 3226 share an overlapping binding site at the human Y1 receptor," *Am. Soc. Pharm. Exp. Ther.*, **1996,** *50,* 285-292
	DM	Sawutz, D.G. et al., "Pharmacology and structure-activity relationships of the nonpeptide bradykinin receptor antagonist WIN 64338," *Can. J. Physiol. Pharmacol.*, **1995,** *73,* 805-811
	DN	Scheer, A. et al., "Constitutively active G protein-coupled receptors: potential mechanisms of receptor activation," *J. Rec. Signal Transduct. Res.*, **1997,** *17(1-3),* 57-73
	DO	Scheer, A. et al., "The activation process of the α_{1B}-adrenergic receptor: Potential role of protonation and hydrophobicity of a highly conserved aspartate," *Proc. Natl. Acad. Sci. USA,* **1997,** *94,* 808-813
	DP	Schwinn, D.A. et al., "Cloning and pharmacological characterization of human *Alpha*-1 adrenergic receptors: sequence corrections and direct comparison with other species homologues," *J. Pharmacol.*, **1995,** *272(1),* 134-142
	DQ	Schild, L. et al., "A mutation in the epithelial sodium channel causing Liddle disease increases channel activity in the *Xenopus laevis* oocyte expression system," *Proc. Natl. Acad. Sci. USA,* **1995,** *92,* 5699-5703
	DR	Seeman, P. et al., "Dopamine receptor pharmacology," *Trends Pharmacol. Sci.*, **1994,** *15,* 264-270
	DS	Seeman, P. et al., "Dopamine D4 receptors elevated in schizophrenia," *Nature,* **1993,** *365,* 441-445
	DT	Serradeil-Le Gale, C. et al., "Biochemical and pharmacological properties of SR 49059, a new, potent, nonpeptide antagonist of rat and human vasopressin V_{1a} receptors," *J. Clin. Invest.*, **1993,** *92,* 224-231
	DU	Sharif, M. et al., "Malignant transformation by G protein-coupled hormone receptors," *Mol. Cell. Endocrinology,* **1994,** *100,* 115-119

EXAMINER	**DATE CONSIDERED**

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. **AREN-0239**	Serial No. **09/875,076**
	Applicant **Ruoping Chen, et al.**	
	Filing Date **June 6, 2001**	Group **Not Yet Assigned**

		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	DV	Showers, M.O. et al., "Activation of the erythropoietin receptor by the Friend spleen focus-forming virus gp55 glycoprotein induces constitutive protein tyrosine phosphorylation," *Blood,* **1992,** *80(12),* 3070-3078
	DW	Skinner, R.H. et al., "Direct measurement of the binding of RAS to neurofibromin using scintillation proximity assay," *Anal. Biochem.,* **1994,** *223,* 259-265
	DX	Slamon, D.J. et al., "Human breast cancer: correlation of relapse and survival with amplification of the HER-2/*neu* oncogene," *Science,* **1987,** *235,* 177-182
	DY	Slamon, D. et al., "Studies of the HER-2/*neu* proto-oncogene in human breast and ovarian cancer," *Science,* **1989,** *244,* 707-712
	DZ	Solomon, Y. et al., "A highly sensitive adenylate cyclase assay," *Anal. Biochem.,* **1974,** *58,* 541-548
	EA	Spiegel, A.M., "Defects in G protein-coupled signal transduction in human disease," *Ann. Rev. Physiol.,* **1995,** *58,* 143-170
	EB	ter Laak, A. et al., "Modelling and mutation studies on the histamine H_1-receptor agonist binding site reveal different binding modes for H_1-agonists: Asp^{116} (TM3) has a constitutive role in receptor stimulation," *J. Computer-Aided Mol. Design,* **1995,** *9,* 319-330
	EC	Tiberi, M. et al., "High agonist-independent activity is a distinguishing feature of the dopamine D1B receptor subtype," *J. Biol. Chem.,* **1994,** *269(45),* 27925-27931
	ED	Tsujimura, T. et al., "Constitutive activation of c-*kit* in FMA3 murine mastocytoma cells caused by deletion of seven amino acids at the juxtamembrane domain," *Blood,* **1996,** *87(1),* 273-283
	EE	Wang, Z. et al., "Constitutive μ opioid receptor activation as a regulatory mechanism underlying narcotic tolerance and dependence," *Life Sci.,* **1994,** *54(20),* 339-350
	EF	Watowich, S.S. et al., "Homodimerization and constitutive activation of the erythropoietin receptor," *Proc. Natl. Acad. Sci USA,* **1992,** *89,* 2140-2144

EXAMINER	**DATE CONSIDERED**

Form PTO-1449 Modified	Docket No. AREN-0239	Serial No. 09/875,076
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)	Applicant **Ruoping Chen, et al.**	
U.S. Department of Commerce Patent and Trademark Office	Filing Date **June 6, 2001**	Group **Not Yet Assigned**

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	EG	Weber-Nordt, R.M. et al., "Constitutive activation of STAT proteins in primary lymphoid and myeloid leukemia cells and in Epstein-Barr virus (EBV)-related lymphoma cell lines," *Blood,* **1996,** *88(3),* 809-816
	EH	Webster, M.K. et al., "Constitutive activation of fibroblast growth factor receptor 3 by the transmembrane point mutation found in achondroplasia," *EMBO J.,* **1996,** *15,* 520-527
	EI	Xu, Y. et al., "Characterization of epidermal growth factor receptor gene expression in malignant and normal human cell lines," *Proc. Natl. Acad. Sci. USA,* **1984,** *81,* 7308-7312
	EJ	Yamada, K. et al., "Substitution of the insulin receptor transmembrane domain with the *c-neu/erbB2* transmembrane domain constitutively activates the insulin receptor kinas *in vitro,*" *J. Biol. Chem.,* **1992,** *267(18),* 12452-12461
	EK	Zhang, S. et al., "Identification of Dynorphins as Endogenous Ligands for an Opioid Receptor-Like Orphan Receptor," *J. Biol. Chem.,* **1995,** *270,* 22772-22778
	EL	Zhen, Z. et al., "Structural and functional domains critical for constitutive activation of the HGF-receptor (*Met*)," *Oncogene,* **1994,** *9,* 1691-1697
	EM	Pauwels P.J. et al., "Review: Amino Acid Domains Involved in Constitutive Activation of G-Protein-Coupled Receptors", *Molecular Neurobiology*, **1998**, *17*, pp. 109-135.
	EN	Shryock, John et al., "Inverse Agonists and Neutral Antagonists of Recombinant Human A_1 Adenosine Receptors Stably Expressed in Chinese Hamster Ovary Cells," *Molecular Pharmacology*, **1998**, *53*, pp. 886-893.
	EO	Wenzel-Seifert et al., "High Constitutive Activity of the Human Formyl Peptide Receptor", *Journal of Biological Chem.*, **1998**, *273*, pp. 24181-24189.
	EP	Forman, B.M., et al., "Androstane Metabolites Bind to and Deactivate the Nuclear Receptor CAR-β", *Nature*, **1998**, *395*, pp. 612-615.
	EQ	Seifert R. et al., "Different Effects of $G_s\alpha$ Splice Variants on β_2-Adrenoreceptor-mediated Signaling, *Journal of Biological Chem.*, **1998**, *273*, pp. 5109-5116.

EXAMINER	**DATE CONSIDERED**

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. **AREN-0239**	Serial No. **09/875,076**
	Applicant **Ruoping Chen, et al.**	
	Filing Date **June 6, 2001**	Group **Not Yet Assigned**

		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	ER	Bergsma, D.J., et al., "Cloning and characterization of a human angiotensin II type 1 receptor," *Biochem. & Biophy. Res. Comm.*, **1992**, XP-002145165, *183(3)*, 989-995
	ES	Gantz, I., et al., "Molecular cloning, expression, and gene localization of a fourth melanocortin receptor," *J. Biol. Chem.*, **1993**, XP-002051983, *268(20)*, 15174-15178
	ET	Groblewski, T., et al., "Mutation of Asn^{111} in the third transmembrane domain of the AT_{1a} angiotensin II receptor induces its constitutive activation," *J. Biol. Chem.*, **1997**, XP-002145162, *272(3)*, 1822-1826
	EU	Koike, G., et al., "Human type 2 angiotensin II receptor gene: cloned, mapped to the X chromosome, and its mRNA is expressed in the human lung," *Biochem. And Biophy. Res. Comm.*, **1994**, XP-002145166, *203(3)*, 1842-1850
	EV	Kyaw, H., et al., "Cloning, characterization, and mapping of human homolog of mouse T-cell death-associated gene," *DNA and Cell Biology*, **1998**, XP000929737, *17(6)*, 493-500
	EW	Noda, K., et al., "The active state of the AT_1 angiotensin receptor is generated by angiotensin II induction," *Biochem.*, **1996**, XP-002145163, *35*, 16435-16442
	EX	Reppert, S.M., et al., "Cloning of a melatonin-related receptor from human pituitary," *FEBS Letts.*, **1996**, XP-002145161, 219-2254
	EY	Scheer, A., et al., "Constitutively active G protein-coupled receptors: potential mechanisms of receptor activation," *J. Receptor & Signal Transduction Res.*, **1997**, XP-000867531, *17(1-3), 57-73*
	EZ	Munzy D. et al., "Homo sapeins chormosome 2p13.3, clone RPCI111-433J6 - sequencing in progress - 100 unordered pieces." *EMBL Database Accession Number AC006087*, **1998.**
	FA	Smith D.R., "Sequencing of human chromosome 10", *EMBL Database Accession Number AC005849*, **1998.**

EXAMINER	**DATE CONSIDERED**

Form PTO-1449 Modified	Docket No. **AREN-0239**	Serial No. **09/875,076**
List of Patent and Publications Cited by Applicant (Use several sheets if necessary)	Applicant **Ruoping Chen, et al.**	
U.S. Department of Commerce Patent and Trademark Office	Filing Date **June 6, 2001**	Group **Not Yet Assigned**

		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
	FB	O'Dowd B.F. et al., "Discovery of Three Novel G-Protein-Coupled Receptor Genes", *Genomics*, **1998**, *47*, pp. 310-313. (Whole document)
	FC	Strausberg R., "National Cancer Institute, Cancer Genome Anatomy Project", *EMBL Database Accession Number AI090920*, **1998**. (Abstract)
	FD	Matsuoka I. et al., "Identification of Novel members of G-protein coupled receptor subfamily", *Biochemical and Biohpysical Research Communications*, **1993**, *194*. (whole document)
	FE	Hillier L. et al., "Generation and analysis of 280000 human expressed sequence tags", *EMBL Database Accession Number H67224*, **1995**, abstract.
	FF	Strausberg R., "National Cancer Institute, Cancer Genome Project", *EMBL Database Accession Number AI131555*, **1998**, abstract.
	FG	Weng et al., "A DNA damage and stress inducible G protein-coupled receptor blocks cells in G2/M", *Proceedings of the National Acad. Of Sciences of USA*, **1998**, *95*, whole document.
	FH	Strausberg R, "National Cancer Institute, Cancer Genome Anatomy Project", *EMBL Database Accession Number AA804531*, **1998**, abstract.
	FI	Stadel, et al., "Orphan G Protein-Coupled Receptors: A neglected opportunity for pioneer drug discovery", *Trends in Pharm. Sciences*, **1997**, *18*, pp. 430-437.
	FJ	Williams, S., "Human DNA Sequence From close 417022 on Chromosome 6q16.1-16.3.", *EMBL Database Entry HS417022*, **1998**, pp. 1-34.
*	**FK**	Nichols, J.G. et al. (eds), "Indirect mechanisms of synaptic transmission", *From Neuron to Brain*, 3rd edition, Sinauer Associates, Inc., **1992**
*	**FL**	Oslo et al. (Eds), *Remington's Pharmaceutical Sciences*, 16th edition, Mack Publishing Co., **1980**

EXAMINER	**DATE CONSIDERED**

* A copy of these references will not be forwarded to the U.S. Patent and Trademark Office since they are believed to be too voluminous and easily obtainable by the Examiner.

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. **AREN-0239**	Serial No. **09/875,076**
	Applicant **Ruoping Chen, et al.**	
	Filing Date **June 6, 2001**	Group **Not Yet Assigned**

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	FM	Gantz, I. et al., "Molecular cloning of a novel melanocortin receptor", *J. Biol. Chem.*, **1993,** 268(11), pp 8246-8250
	FN	Howard, A.D. et al., " A receptor in pituitary and hypothalamus that functions in growth hormone release", *Science,* **1996,** 273, pp 974-977
	FO	Iismaa, T.P. et al., "Isolation and chromosomal localization of a novel human G-protein-coupled receptor (GPR3) expressed predominately in the central nervous system", *Genomics,* **1994,** 24, pp391-394
	FP	Heiber, M. et al., "Isolation of three novel melanocortin receptor, "*J. Biol. Chem.*, **1993,** 26(11), pp 8246-8250
	FQ	Bertin, B. et al., "Cellular signaling by an agonist-activated receptor/Gs-alpha fusion protein", *Proc. Natl. Acad. Sci. USA,* **1994,** 91, pp 8827-8831
	FR	Wise, A. et al., "Rescue of functional interaations between the alpha-2-A-adrenorecptor and acylation-resistant forms of Gil-alpha aby expressing the proteins from chimeric open reading frames", *J. Biol Chem.*, **1997,** 272, pp 24673-24678
	FS	Burt, A.R., et al. "Agonist occupation of an alpha-2-A-adreroreceptor-Gil-alpha fusion protein rsults in activation of both receptor-linked and endogenes Gi proteins", *J. Biol. Chem.*, **1997,** 283, pp 10367-10375
	FT	Jensen et al., "mRNA profiling of rat islet tumors reveals Nkx 6.1 as a Cell-specific homeodomain transcription factor", *J. Biol. Chem.*, **1996,**271(31), pp 18749-18758
	FU	Konig et al., "Method for identifying ligands that bind to cloned Gs-orGi-coupled receptors", *Mol. Cell. Neuro.*, **1991,** 2, pp331-337
	FV	Leonard, J. et al., "The LIM family transcription factor Isl-1 requires cAMP response element binding protein to promote somatostatin expression in pancreatic islet cells", *Proc Natl. Acad. Sci. USA,* **1992,** 89, pp 6247-6251
	FW	Marchese, A. et al., "Cloning of human genes encoding novel G protein-coupled receptors", *Genomics,* **1994,** 23, pp 609-618
	FX	Marks, D.L. et al., "Simultaneous visualization of two cellular mRNA species in individual neurons by use of a new double in situ hybridization method", *Mol. & Cell. Neuro,* **1992,** 3, pp 395-405

EXAMINER	**DATE CONSIDERED**

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. **AREN-0239**	Serial No. **09/875,076**
	Applicant **Ruoping Chen, et al.**	
	Filing Date **June 6, 2001**	Group **Not Yet Assigned**

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	FY	O'Dowd, B. et al., "Cloning and chromosomal mappingof four putative novel human G-protein-coupled receptor genes", *Gene,* **1997,** 187, pp75-81
	FZ	Sakuri, T. et al., "Orexins and orexin receptors: A family of hypothalmic neuropeptides and G proetin-coupled receptors that regulate feeding behavior", *Cell,* **1998,** 92, pp 573-585
	GA	Song, Z.H., et al. "Molecular cloning and chromosomal localization of human genes encoding three closely related G-protein-coupled receptors", *Genomics,* **1995,** 28, pp 347-349
	GB	Suzuki, M. et al., "Regulatable promoters for use in gene therapy applications: Modification of the 5'-flanking region of the CFTR gene with multiple cAMP response elements to support basal, low level gene expression that can be upregulated by exogenous agents that raise intracellular levels of cAMP", *Human Gene Therapy,* **1996,** 7, pp 1883-1893
	GC	Xu, Y. et al., "Identification of human OGR1, a novel G Protein-coupled receptor that maps to chromosome 14", *Genomics,* **1996,** 35, pp 397-402
	GD	Gellai, M. et al., "Nonpeptide endothelin receptor antagonists V: prevention and reversal of acute renal failure in the rat by SB 209670", *J. Pharm. Exp. Therap.,* **1995,** 275(1), pp 200-206
	GE	Heiber, M. et al., "Isolation of three novel human genes encoding G protein-xoupled receptors", *DNA and Cell Biology,* **1995,** 14(1), pp 25-35
	GF	Itoh, H. et al., "Molecular cloning and sequence determination of cDNAs for subunits of the guanine nucleotide-binding proteins Gs, G1, and G0 from rat brain", *Proc. Natl. Acad. Sci. USA,* **1986,** 83, pp 3776-3780
	GG	Kenakin, T., "Are receptors promiscous? Intrinsic efficacy as a transduction phenomenon", *Life Sciences,* **1998,** 43, pp 1095-1101
	GH	Martone, R.L. et al. "Human CRF receptor chimeras: Mapping of ligand binding determinants", 26th meeting of the society of Neuroscience, Washington, D.C., November 16-21, **1996,** Abstract No. 609.8

EXAMINER	**DATE CONSIDERED**

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. **AREN-0239**	Serial No. **09/875,076**
	Applicant **Ruoping Chen, et al.**	
	Filing Date **June 6, 2001**	Group **Not Yet Assigned**

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	GI	5,514,578	05/07/96	Hogness et al.	435	240.2
	GJ	5,532,157	07/02/96	Fink	435	240.2
	GK	5,573,944	11/12/96	Kirschner et al.	435	252.3
	GL	5,639,616	06/17/97	Liao et al.	435	7.1
	GM	5,750,353	05/12/98	Kopin et al.	435	7.21

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	Translation NO
	GN	WO 97/11159	09/20/96	PCT	X	
	GO	WO 98/46995	10/22/98	PCT	X	
	GP	WO 99/52927	10/21/99	PCT	X	
	GQ	WO 98/00552	01/08/98	PCT	X	
	GR	WO 98/34948	08/13/98	PCT	X	

EXAMINER	**DATE CONSIDERED**

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. **AREN-0239**	Serial No. **09/875,076**
	Applicant **Ruoping Chen, et al.**	
	Filing Date **June 6, 2001**	Group **Not Yet Assigned**

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	Translation NO
	GS	2,135,523 CA	08/05/96	Canada	X	
	GT	WO 99 24569	05/20/99	Japan	X(abstract only)	
	GU	WO 97 21731 A	06/19/97	PCT	X	
	GV	WO 98 38217 A	09/03/98	PCT	X	

EXAMINER	**DATE CONSIDERED**

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. **AREN-0239**	Serial No. **09/875,076**
	Applicant **Ruoping Chen, et al.**	
	Filing Date **June 6, 2001**	Group **Not Yet Assigned**

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation YES	NO
	GW	WO 00 23588	04/27/00	PCT	X	
	GX	WO 99 55732	04/11/99	PCT	X	
	GY	WO 99 46378	09/16/99	Japan	X(abstract)	
	GZ	WO 98 39441	09/11/98	PCT	X	
	HA	WO 99 24463	05/20/99	PCT	X	
	HB	EP 0 899 332	03/03/99	EPO	X	
	HC	WO 00 26369	05/11/00	PCT	X	
	HD	WO 99 52946	10/21/99	PCT	X	
	HE	WO 98 31810	07/23/98	PCT	X	
	HF	EP 0 860 502	08/26/98	EPO	X	
	HG	WO 99 25830	05/27/99	PCT	X	
	HH	WO 99 55734	11/04/99	PCT	X	
	HI	WO 00 12707	03/09/00	PCT	X	

EXAMINER	**DATE CONSIDERED**

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. **AREN-0239**	Serial No. **09/875,076**
	Applicant **Ruoping Chen, et al.**	
	Filing Date **June 6, 2001**	Group **Not Yet Assigned**

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Translation YES	NO
	HJ	WO 00 11170	03/02/00	PCT	X	
	HK	WO 00 11166	03/02/00	PCT	X	
	HL	WO 98 50549	11/12/98	PCT	X	
	HM	WO 00 28028	05/18/00	PCT	X	
	HN	WO 99 42484	08/26/99	PCT	X	
	HO	WO 97 20045	06/05/97	PCT	X	
	HP	WO 97 24929	07/17/97	PCT	X	
	HQ	WO 00 11015	03/02/00	PCT	X	
	HR	WO 98 46995	10/22/98	PCT	X	

EXAMINER	**DATE CONSIDERED**

Application No.	Applic.
09/876,076	Chen et al.

References Cited

Examiner	Group Art Unit	Page
Human Genome Sci	1646	1 of 1

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
	A					
	B			[illegible] Jacquelyn [illegible] and Andrzej Joachimiak		
	C					
	D					
	E					
	F		Structural genomics projec	aim to solve the [illegible]		
	G			[illegible]		
	H			[illegible]		
	I			[illegible]		
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
	N						
	O						
	P						
	Q						
	R						
	S						
	T						

NON-PATENT DOCUMENTS

*		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	U	Skolnick et al. Nature Biotechnology Vol. 18, pages 283-287	3/00
	V	Cited in RAN's IDS	
	W		
	X		

* A copy of this reference is not being funished with this Office action.
(See Manual of Patent Examining Procedure, Section 707.05(a).)

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PTO-892 (Rev. 9-96)

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U.S. GPO: 1998-454-457/87506